

## EAST Search History

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|---|---|------------------|---------|---------------------|
| L2    | 57168 | ((sulfur ADJ dioxide) or gas) AND (impedance or (tunnel ADJ junction))  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/06/07<br>17:40 |
| L3    | 1     | ((nitro\$5 ADJ oxide) or NOx) SAME (pumping NEAR5 cell) AND (sulfur ADJ dioxide)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/06/07<br>17:41 |
| L4    | 0     | ((nitro\$5 ADJ oxide) or NOx) SAME (pumping NEAR5 cell) AND (tunnel NEAR5 junction)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/06/07<br>17:42 |
| L5    | 76    | ((nitro\$5 ADJ oxide) or NOx) AND (tunnel NEAR5 junction)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/06/07<br>17:43 |
| L6    | 0     | ((sulfur ADJ dioxide) NEAR15 (gas (analy\$5 or detect\$5 or sens\$5))) NEAR15 (wine or alcohol) AND (tunnel NEAR3 junction) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/06/07<br>18:12 |
| L7    | 5     | ((sulfur ADJ dioxide) NEAR15 (gas (analy\$5 or detect\$5 or sens\$5))) NEAR15 (wine or alcohol) AND impedance               | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/06/07<br>18:13 |
| L8    | 6     | ((sulfur ADJ dioxide) NEAR15 (gas (analy\$5 or detect\$5 or sens\$5))) SAME (wine or alcohol) AND impedance                 | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/06/07<br>18:13 |

|     |     |  |   |    |     |                     |
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| L9  | 66  | ((sulfur ADJ dioxide) NEAR15 (gas (analy\$5 or detect\$5 or sens \$5))) AND (wine or alcohol) AND (impedance or (tunnel NEAR5 junction)) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/06/07<br>18:14 |
| L10 | 9   | (sulfur ADJ dioxide) AND (tunnel NEAR5 junction)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/06/07<br>18:17 |
| S1  | 2   | ("4514263").PN.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                | OR | OFF | 2009/06/06<br>10:54 |
| S2  | 2   | ("6298710").PN.  | US-PGPUB;<br>USPAT; EPO;<br>JPO; DERWENT                | OR | OFF | 2009/06/06<br>10:55 |
| S3  | 6   | Ramsler NEAR3 Rex.in.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/06/06<br>10:59 |
| S4  | 2   | Lundy NEAR3 Desmond.in.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/06/06<br>11:00 |
| S5  | 328 | ((sulfur ADJ dioxide) NEAR15 (gas (analy\$5 or detect\$5 or sens \$5))) SAME (wine or alcohol)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/06/06<br>11:25 |
| S6  | 131 | ((sulfur ADJ dioxide) NEAR15 (gas (analy\$5 or detect\$5 or sens \$5))) NEAR15 (wine or alcohol)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/06/06<br>11:25 |
| S7  | 114 | ((sulfur ADJ dioxide) NEAR7 (gas (analy\$5 or detect\$5 or sens \$5))) NEAR15 (wine or alcohol)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/06/06<br>11:25 |

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| S8  | 11    | ((sulfur ADJ dioxide) NEAR7 (gas (analy\$5 or detect\$5 or sens \$5))) NEAR15 (wine or alcohol) AND (aluminum and gold)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/06 11:26 |
| S9  | 2     | ((sulfur ADJ dioxide) NEAR7 (gas (analy\$5 or detect\$5 or sens \$5))) SAME (wine or alcohol) AND (cataly\$5 and non-cataly\$3)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/06 11:29 |
| S10 | 40    | ((sulfur ADJ dioxide) NEAR7 (gas (analy\$5 or detect\$5 or sens \$5))) SAME wine  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/06 11:30 |
| S11 | 197   | ((sulfur ADJ dioxide) NEAR7 (gas (analy\$5 or detect\$5 or sens \$5))) SAME (aluminum and gold or platinum or paladium)   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/06 11:34 |
| S12 | 22869 | ((((sulfur ADJ dioxide) or gas) NEAR10 (analy\$5 or detect\$5 or sens \$5)) AND (((aluminum or magnesium or chromic or zirconium) ADJ oxide) or alumina or ((titanium or silicon) ADJ dioxide)) AND conduct\$5 AND ((magnesium or Mg) or (chromium or Cr) or (titanium or Ti) or (zirconium or Zr) or (aluminum or Al)) AND ((gold or Au) of (silver or | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/06 12:24 |

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
|     |      | Ag) or (platinum or Pt) or (iridium or Ir) or (palladium or Pd) or (ruthenium or Ru) or (osmium or Os))   |   |    |    |                  |
| S13 | 59   | (((sulfur ADJ dioxide) or gas) NEAR10 (analy\$5 or detect\$5 or sens\$5)) AND (((aluminum or magnesium or chromic or zirconium) ADJ oxide) or alumina or ((titanium or silicon) ADJ dioxide)) AND conduct\$5 AND ((magnesium or Mg) or (chromium or Cr) or (titanium or Ti) or (zirconium or Zr) or (aluminum or Al)) AND ((gold or Au) of (silver or Ag) or (platinum or Pt) or (iridium or Ir) or (palladium or Pd) or (ruthenium or Ru) or (osmium or Os)) AND (tunnel NEAR3 junction) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/06 12:24 |
| S14 | 3993 | (((sulfur ADJ dioxide) or gas) NEAR10 (analy\$5 or detect\$5 or sens\$5)) AND (((aluminum or magnesium or chromic or zirconium) ADJ oxide) or alumina or ((titanium or silicon) ADJ dioxide)) AND (conduct\$5 SAME ((magnesium or   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/06 12:28 |

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|-----|------|---|---|----|----|------------------|
|     |      | Mg) or (chromium or Cr) or (titanium or Ti) or (zirconium or Zr) or (aluminum or Al)) SAME ((gold or Au) of (silver or Ag) or (platinum or Pt) or (iridium or Ir) or (palladium or Pd) or (ruthenium or Ru) or (osmium or Os)))   |   |    |    |                  |
| S15 | 1040 | (((sulfur ADJ dioxide) or gas) NEAR10 (analy\$5 or detect\$5 or sens\$5)) AND (((aluminum or magnesium or chromic or zirconium) ADJ oxide) or alumina or ((titanium or silicon) ADJ dioxide)) AND (conduct\$5 SAME ((magnesium or Mg) or (chromium or Cr) or (titanium or Ti) or (zirconium or Zr) or (aluminum or Al)) SAME ((gold or Au) of (silver or Ag) or (platinum or Pt) or (iridium or Ir) or (palladium or Pd) or (ruthenium or Ru) or (osmium or Os))) AND ("73"/\$. ccls. or "204"/\$. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/06 12:36 |

|     |     |  |   |    |    |                  |
|-----|-----|--|---|----|----|------------------|
| S16 | 272 | (((sulfur ADJ dioxide) or gas) NEAR10 (analy\$5 or detect\$5 or sens\$5)) AND (((aluminum or magnesium or chromic or zirconium) ADJ oxide) or alumina or ((titanium or silicon) ADJ dioxide)) AND (conduct\$5 SAME ((magnesium or Mg) or (chromium or Cr) or (titanium or Ti) or (zirconium or Zr) or (aluminum or Al)) SAME ((gold or Au) or (silver or Ag) or (platinum or Pt) or (iridium or Ir) or (palladium or Pd) or (ruthenium or Ru) or (osmium or Os))) AND ("73"/\$. ccls. or "204"/\$. ccls.) AND (impedance or (tunnel ADJ junction)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/06/07 11:00 |
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